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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 10/810,118      | 03/25/2004  | Jayasimha Nuggehalli | 49986-0536          | 8047             |

29989 7590 12/07/2009  
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| EXAMINER |
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MOUTAOUAKIL, MOUNIR

|          |              |
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| ART UNIT | PAPER NUMBER |
|----------|--------------|

2476

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| MAIL DATE | DELIVERY MODE |
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12/07/2009

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

|                              |                                      |   |  |
|------------------------------|--------------------------------------|---|--|
| <b>Office Action Summary</b> | <b>Application No.</b><br>10/810,118 | <b>Applicant(s)</b><br>NUGGEHALI ET AL. |  |
|                              | <b>Examiner</b><br>MOUNIR MOUTAOUKIL | <b>Art Unit</b><br>2476                 |  |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 11 August 2009.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-11, 13 and 14 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-11, 13 and 14 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)            | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftperson's Patent Drawing Review (PTO-948)    | Paper No(s)/Mail Date. _____                                      |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____  | 6) <input type="checkbox"/> Other: _____                          |

## **DETAILED ACTION**

### ***Response to Amendment***

1. The amendment filed on 08-11-2009 has been entered and considered.

Claims 1-11, and 13-14 are pending in this application.

Claim 12 is canceled.

Claims 1-11, and 13-14 remain rejected as discussed below.

### ***Claim Rejections - 35 USC § 103***

2. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

3. The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.
2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

4. Claims 1-6, and 8-11, and 14 are rejected under 35 U.S.C. 103(a) as being unpatentable over by Miida et al (US 2002/0049839) in view of Lung et al (US 5,533,175), further in view of D' Amanddio et al (US 6,317,387) and further in view of Thakor (US 2003/0220986). Hereinafter referred to as Miida, Lung, D' Amanddio and Thakor.

Regarding claim 1. Miida discloses an apparatus for processing network device status data (Fig.1, 100). The apparatus comprises a storage device comprising configuration data stored thereon, wherein the configuration data indicates both: a data format supported by each of a plurality of recipient devices (paragraph [0139]. Element 100 receives data using PSTN format and transmits data to the intended receivers using either e-mail or webpage depending on the user terminal), and how to convert network device status data that conforms to a first data format into each of the data formats supported by the plurality of recipient devices (100 converts incoming data from PSTN format to be transmitted as e-mail (SMTP) or a webpage (http), which are different formats); a conversion mechanism configured to process the network device status data that conforms to the first data format (the incoming statuses are receives through a PSTN network, 1<sup>st</sup> format) and generate based upon the configuration data and the network device status data, report data that conforms to the data format supported by each of the plurality of recipient devices (status data is then converted and transmitted to the intended recipients using either e-mail or webpage depending on the format supported by the receiver), wherein the report data includes identification data that uniquely identifies an intended recipient device so that the report data may be

routed to recipient device from the plurality of recipient devices(see Fig.2, element 22. Paragraph 156, where each recipient is contacted or informed based on there unique recipient ID)

Miida discloses all the limitations of the claimed invention with the exception that the formats supported by the recipients are different from one to another, and the storage device stores each recipient format within, and that reports are routed to an intended recipient device. However, Lung, from the same field of endeavor, suggests that the status report of the printer device is requested and transmitted to the host (see col.3, lines 65-67. Report printer status to host computer, manager printer configuration and other such housekeeping functions...). Thus, it would have been obvious to a person of ordinary skill in the art at the time of the invention to modify teaching of Miida to include the status report of the printer device is requested and transmitted to a specific host as disclosed by Lung in order to allow the user view the report. Moreover, D' Amaddio, from the same field of endeavor, discloses that reports can be provided to a first and second recipient devices using different formats (see col.18, lines 3-12, this section suggests that reports can be delivered to end users using different formats). Thus, it would have been obvious to a person of ordinary skill in the art at the time of the invention to modify the teaching of Miida in view of Lung to include that reports can be delivered to end users using different formats for the purpose of viewing reports, by the end users, and satisfying as many users as possible.

Miida in view of Lung and further in view of D' Amaddio discloses all the limitations of the claimed invention with the exception that the format is a recipient

proprietary unencrypted data format, wherein each recipient format is unique and different than any recipient and the conversion mechanism further extract from the network device status data, recipient identification data that uniquely identifies an intended recipient device of the plurality of recipient devices, and select, using recipient identification data, a recipient proprietary unencrypted data format from the set of recipient proprietary unencrypted formats. However, Thakor, from a similar field of endeavor discloses a method of transmitting unencrypted commands messages by converting the neutral original command format to destination device specific format, wherein the device specific format depends on the destination characteristics such as device type, vendor, device manufacturer, device model, operating system (OS) version, etc (see abstract and paragraph [0020] and paragraph [0039]). Thus, it would have been obvious to a person of ordinary skill in the art at the time of the invention to employ the conversion mechanism taught by Thakor into the communication system of Miida for the purpose of minimizing the conversion time at each recipient device.

Regarding claim 2. Miida discloses an apparatus wherein the network device status data is received by the apparatus directly from a plurality of multi-function peripherals that each performs one or more of printing, copying, faxing and scanning (see figure 1, where the status is received from a copy machine. See page 10, paragraph 250, where the invention disclosed is applicable to printers facsimile machine, and the like).

Regarding claim 3. Miida discloses an apparatus wherein the network device status data specifies one or more of consumable levels, a meter reading or need for a

service call (see page 8 paragraphs 186 and 208. the status data can be related to expandable supply such as paper, staples, ink level...).

Regarding claim 4. Miida discloses an apparatus wherein the network device status data is received by the apparatus from a status data server that collects network device status data from a plurality of network devices (see figure 2, element 110 is interpreted as a status data server).

Regarding claim 5. Miida discloses an apparatus wherein the network device status data received by the apparatus is encrypted and the apparatus is configured to decrypt the network device status data (see page 7, paragraphs 171-173, status data is transmitted from element 400 to 100. the data is transmitted through PSTN, which indicate that the data is transmitted using a code or an encryption method).

Regarding claim 6. Miida discloses an apparatus wherein the conversion mechanism is configured to generate the report data in either XML or CSV format (see page 10, paragraph 244, and figure 2. element 20 executes the CGI program and creates a web page data using any format. XML and CSV are different type of formats to create data on a web pages or intranets).

Regarding claim 8. Miida discloses an apparatus wherein the apparatus is configured to generate both first report data conforms to a first data format supported by a first recipient device from the plurality of recipient devices and second report data conforms to a second data format supported by a second recipient device from the plurality of recipient devices, and provide the first report data to the first recipient device and the second report data to the second recipient device (see figure 1 and first

embodiment of the art used. Each copier is associated with a user. Whenever, a report data is generated, element 100 informs the associate recipient with the status of the copier. Therefore it provides the first report data to the first recipient device and the second report data to the second recipient device. Moreover, the system uses two different formats: email and webpage).

Regarding claim 9. Miida discloses an apparatus wherein the apparatus is configured to provide the report data to the plurality of recipient devices using one or more Internet protocols including SMTP, HTTP, HTTPS and FTP (figure 1, where the recipient is informed an e-mail or a webpage. see paragraph 311, internet protocol includes HTTP).

Regarding claim 10. Miida discloses an apparatus wherein the apparatus is configured to provide the report data to the plurality of recipient devices based upon a schedule (see paragraph 228, where element 100 is configured to provide the report data to the recipient or recipients whenever the copier is intensively used during a predetermined time frame).

Regarding claim 14. Miida discloses an apparatus that further comprises a storage device for storing the recipient device status data (see paragraph 173, where the status data received is collected and stored in the customer data base and classified customer by customer).

Regarding claim 11. Miida discloses an apparatus wherein the apparatus is configured to provide the report data at a first time to a first recipient device from the plurality of recipient devices and to provide the report data at a second time to a second



recipient device from the plurality of recipient devices, wherein the first and second times are different (see figure 1, figure 2, and paragraph 156. Each element 500 is related to an office 200, element 100 provide report data to element 500n at a given time, because 500n is associated with a 200n. Element 100 provides data status to the 500n, from the associated 200n, as soon as data is received from 200n. Therefore, the processor of 100 processes status data of each 200n, one at a time).

5. Claim 7 is rejected under 35 U.S.C. 103(a) as being unpatentable over Miida in view of Lung, further in view of D' Amaddio further in view of Thakor and further in view of Krishnaprasad et al (US 2002/0099687). Hereinafter referred to as Krishnaprasad.

Regarding claim 7. Miida discloses all the limitations of claim 1.

Miida does not disclose that the apparatus wherein the network device status data is XML data that conforms to a first XML schema and the report data is XML data that conforms to a second XML schema. However, Krishnaprasad discloses a method of using different XML schema (paragraph [0061]). Thus, it would have been obvious to a person of ordinary skill in the art at the time of the invention to implement the XML format for the status data and report data into the report system of Miida for the purpose of having more flexibility and extensibility.

6. Claim 13 is rejected under 35 U.S.C. 103(a) as being unpatentable over Miida in view of Lung, further in view of D' Amaddio further in view of Thakor and further in view of McGlade (US 6,411,598).

Regarding claim 13. Miida discloses all the limitations of claim 1.

Miida does not disclose an apparatus wherein the apparatus is configured to provide a notification if a receipt confirmation indicating receipt of the report data is not received from a particular recipient device from the plurality of recipient devices. However, McGlade discloses a method of detecting transmission failure and a method of sending a notification message whenever a specific recipient is capable of receiving the original message (see column 11, lines 42-52). Thus, it would have been obvious, to a person of ordinary skill in the art at the time of the invention to implement the method of detecting transmission failure and a method of sending a notification message whenever a specific recipient is capable of receiving the original message, as taught by McGlade, into the report system of Miida for the purpose of improving system reliability and customer service.

### ***Response to Arguments***

7. Applicants' arguments with respect to claims 1-11, and 13-14 have been considered but are moot in view of the new ground(s) of rejection.

### ***Conclusion***

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. See PTO\_892.

9. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Examiner has cited particular columns and line numbers in the references applied to the claims above for the convenience of the applicant. Although the specified citations are representative of the teachings of the art and are applied to specific limitations within the individual claim, other passages and figures may apply as well. It is respectfully requested from the applicant in preparing responses, to fully consider the references in entirety as potentially teaching all or part of the claimed invention, as well as the context of the passage as taught by the prior art or disclosed by the Examiner.

In the case of amending the claimed invention, Applicant is respectfully requested to indicate the portion(s) of the specification which dictate(s) the structure relied on for proper interpretation and also to verify and ascertain the metes and bounds of the claimed invention.

When responding to this office action, applicants are advised to clearly point out the patentable novelty which they think the claims present in view of the state of the art disclosed by the references cited or the objections made. Applicants must also show

how the amendments avoid such references or objections. See 37C.F.R 1.111(c). In addition, applicants are advised to provide the examiner with the line numbers and pages numbers in the application and/or references cited to assist examiner in locating the appropriate paragraphs.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MOUNIR MOUTAOUAKIL whose telephone number is (571)270-1416. The examiner can normally be reached on Monday-Thursday (1pm-4:30pm) eastern time.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ayaz R. Sheikh can be reached on 571-272-3795. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/M. M./

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Examiner, Art Unit 2419  
/Ayaz R. Sheikh/  
Supervisory Patent Examiner, Art Unit 2476